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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: **10/609,298** Confirmation No.: **9201**
Applicant: **Sommadossi et al.**
Filed: **June 27, 2003**
TC/AU.: **1623**
Examiner: **Unassigned**

Docket No.: **06171.105059 IDX 1017**
Customer No.: **20786**
Title: **2' and 3'-Nucleoside Prodrugs for Treating Flaviviridae Infections**

Commissioner for Patents
P. O. Box 1450
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Sir:

Pursuant to the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, Applicants in the present application cite the publications listed on the accompanying PTO-1449. Additionally, Applicants enclose a copy of the International Search Report corresponding to PCT/IB03/03901 as well as copies of the cited references. The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under the applicable statutes, Rules of Practice in patent cases, or otherwise.

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Respectfully submitted,



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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	3	Attorney Docket Number	06171.105059 IDX 1017
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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pp., Columns, Lines, Where Relevant Passages/Relevant Figures Appear	T ⁶
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FOREIGN PATENT DOCUMENTS

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		Office ³	Number	Kind Code ² (if known)				
	AA	EP	0 747 389		Taiho Pharmaceutical Co.	12-11-1996		
	AB	GB	1 163 102		MERCK & Co.	09-04-1969		
	AC	GB	1 163 103		MERCK & Co.	09-04-1969		
	AD	GB	1 209 654		MERCK & Co.	10-21-1970		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	AE	AWANO, H. et al., "Synthesis and Antiviral Activity of 5-Substituted (2'S)-2'-C-Methylcytidines and -Uridines ¹¹ " Nucleosides and Nucleotides, Part 144 ARCHIV DER PHARMAZIE, VCH VERLAGSGESELLSCHAFT MBH, WEINHEIM, DE, Vol. 329, 01 February 1996 (1996-02-01), pp. 66-72	
	AF	BEIGELMAN et al., "A General Method for Synthesis of 3'-C-Alkylnucleosides" Nucleic Acids Symposium. Series No. 9., IRL Press, Oxford, GB, Vol. 9, no. 9, 06 September 1981 (1981-09-06), pp. 115-118	
	AG	CAPPELLACCI, et al. "Ribo-Modified Nucleosides as Ligands for Adenosine Receptors: Synthesis, Conformational Analysis, and Biological Evaluation of 1'-C-Methyl Adenosine Analogues" Journal Of Medicinal Chemistry, American Chemical Society, 45. pp. 1196-1202	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/609,298
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				First Named Inventor	Sommadossi et al.
				Group Art Unit	1623
				Examiner Name	Unassigned
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	BA	FEDEROV, I.I., et al. , "3'-C-Branched 2'-Deoxy-5-Methyluridines: Synthesis, Enzyme Inhibition, and Antiviral Properties" Journal Of Medicinal Chemistry, American Chemical Society, Washington, US, Vol. 35, 1992, pp. 4567-4575	
	BB	FRANCHETTI, P., et al. , "2'-C-Methyl Analogues Of Selective Adenosine Receptor Agonists: Synthesis And Binding Studies", Journal of Medicinal Chemistry, American Chemical Society, Washington, US, Vol. 41, 1998, pp. 1708-1715	
	BC	HARRY-O'KURU et al. , "A Short, Flexible Route Toward 2'-C-Branched Ribonucleosides" Journal of Org. Chemistry, American Chemical Society, Vol. 62, pp. 1754-1759	
	BD	H. HATTORI, et al. , "Nucleosides and Nucleotides 158" Journal of Medicinal Chemistry, American Chemical Society, Vol. 39, 1996, pp. 5005-5001	
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	BF	HREBABECKY, H. et al. , "Synthesis of 7- and 9β-D Psicofuranosylguanine and their 1'-Deoxy Derivatives", Collection of Czechoslovak Chemical Communication, Academic Press, London, GB, Vol. 39, 1974, pp. 2115-2123	
	BG	JOHNSON, et al. , "Nucleosides & Nucleotides -- 3'-C-TrifluoromethylRibonucleoside", Marcel Dekker, Inc., US, Vol. 14, no. 1/2, 1995, pp. 185-194	
	BH	LI, Nan-Sheng et al. , "2'-C-Branched Ribonucleosides. 2. Synthesis of 2'-C-β-Trifluoromethyl Pyrimidine Ribonucleosides, Organic Letters, Vol. 3, No. 7, 2001, pp. 1025-1028	
	BI	MATSUDA, A. et al. , "Radical Deoxygenation of Tert-Alcohols in 2'-Branched-Chain Sugar Pyrimidine Nucleosides :Synthesis and Antileukemic Activity of 2'-Deoxy-2'-(S)-Methylcytidine" Chemical and Pharmaceutical Bulletin, Pharmaceutical Society of Japan, Tokyo, JP, Vol. 35, 1987, pp. 3967-3970	
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	BK	MIKHAILOV, S. N. et al. , "Synthesis and Properties of 3'-C-Methylnucleosides and their Phosphoric esters" Carbohydrate Research, Elsevier Scientific Publishing Company, Amsterdam, NL, Vol. 124, 1983, pp. 75-96	
	BL	MURAL, Y. et al. , "A Synthesis and an X-ray Analysis of 2'-C-, 3'-C- and 5'-C-Methylsangivamycins" HETEROCYCLES, Vol. 33, no. 1, 1992, pp. 391-404	

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	CA	ONG <i>et al.</i> , "Synthesis of 3'-C-Methyladenosine and 3'-C-Methyluridine Diphosphates and their Interaction with the Ribonucleoside Diphosphate Reductase from <i>Corynebacterium Nephridii</i> " <i>Biochemistry</i> , American Chemical Society, Vol. 31, No. 45, 1992, pp. 11210-11215	
	CB	ROSENTHAL, A. <i>et al.</i> , "Branched-Chain Sugar Nucleosides. Synthesis of 3'-C-Ethyl (and 3'-C-Butyl) Uridine" <i>Carbohydrate Research</i> , Elsevier Scientific Publishing Company, Amsterdam, NL, Vol. 79, 1980, pp. 235-242	
	CC	SCHMIT, C. , "Synthesis of 2'-Deoxy-2'- <i>alpha</i> -Monofluoromethyl and Trifluorome Thylnucleoside" <i>SYNLETT</i> , Thieme Verlag, Stuttgart, DE, no. 4, 1994, pp. 241-242	
	CD	SHARMA P.K., <i>et al.</i> , "Synthesis of 3'-Trifluoromethyl Nucleosides as Potential Antiviral Agents" <i>Nucleosides, Nucleotides And Nucleic Acids</i> , Marcel Dekker, Ann Arbor, Mi, US. Vol. 19, no. 4. 2000, pp. 757-774	
	CE	TRONCHET <i>et al.</i> , (72) "Synthese et desamination enzymatique des, C-hydroxymethyl-3'-et, C-methyl-3'-beta-D-xylofuranosyl-9-adenines" <i>Helvetica Chimica Acta</i> , Vol. 62, 1979, pp. 689-695	
	CF	WOLF J. <i>et al.</i> , "New 2'-C-Branched-Chain Sugar Nucleoside Analogs With Potential Antiviral or Antitumor Activity, Synthesis" <i>Georg Thieme Verlag</i> , Stuttgart, DE, no. 8, August 1992 (1992-08), pp. 773-778	

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